Remedial Action Report of Findings

Fernbridge Market
Fernbridge, California
Case No. 12345

Prepared for:

Lindsay Investments

SHN Consulting Engineers & Geologists, Inc.

812 W. Wabash
Eureka, CA 95501-2138
707 / 441-8855

February 2005
098076

CONSULTING ENGINEERS & GEOLOGISTS, INC.
812 W. Wabash • Eureka, CA 95501-2138 • 707-441-8855 • Fax 707-441-8877 • info@shn-eureka.com

Reference: 098076

February 25, 2005

Mr. Mark Verhey
Humboldt County Division of Environmental Health
100 H Street, Suite 100
Eureka, CA 95501

Subject: Remedial Action Report of Findings, Fernbridge Market, 623 Fernbridge Drive, Fernbridge, California; Site No. 12345

Dear Mr. Verhey:

The attached report presents the activities and results from the remedial action conducted at the Fernbridge Market, located at 623 Fernbridge Drive, in Fernbridge, California. Work was conducted at the site to remove contaminant-impacted soil associated with underground storage tanks formerly located at the site. SHN Consulting Engineers & Geologists, Inc. completed this work on behalf of Lindsay Investments.

If you have any questions regarding the work completed, please call me at 707/441-8855.

Sincerely,

SHN Consulting Engineers & Geologists, Inc.

Patrick Barsanti

Pat Barsanti
Project Manager

PNB/EJN:lms:med
Enclosure: RA Report

copy w/encl: Lindsay Investments

Reference: 098076

Remedial Action Report of Findings

Fernbridge Market
Fernbridge, California
Case No.12345

Prepared for:

Lindsay Investments

Prepared by:

Consulting Engineers & Geologists, Inc.
812 W. Wabash Ave.
Eureka, CA 95501-2138
707-441-8855

February 2005

QA / QC: PNB_____

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Acronyms & Abbreviations

<	Denotes a value that is "less than" the method reporting limit.
mg/kg	milligrams per kilogram
ug/g	micrograms per gram

1, 2-DCA	1, 2-Dichloroethane
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and total Xylenes
CAP	Corrective Action Plan
DCO_2	Dissolved Carbon Dioxide
DO	Dissolved Oxygen
EPA	United States Environmental Protection Agency
HCDEH	Humboldt County Division of Environmental Health
MTBE	Methyl-Tert Butyl Ether
MW-#	Monitoring Well-#
ORP	Oxidation-Reduction Potential
OVA	Organic Vapor Analyzer
RA	Remedial Action
RAP	Remedial Action Work Plan
ROF	Report of Findings
SHN	SHN Consulting Engineers & Geologists, Inc.
TBA	Tertiary Butyl Alcohol
TPHG	Total Petroleum Hydrocarbon as Gasoline
USA	Underground Service Alert
UST	Underground Storage Tank

1.0 Introduction

Presented herein is the Report of Findings (ROF) for the Remedial Action (RA) conducted at Fernbridge Market, located at 623 Fernbridge Drive in Fernbridge, California (Figure 1). Work was conducted at the site to remove contaminant-impacted soil associated with Underground Storage Tanks (USTs) formerly located at the site. SHN Consulting Engineers & Geologists, Inc. (SHN) completed this work on behalf of Lindsay Investments. All activities were conducted in accordance with the approved July 17, 2003, ***Remedial Action Plan, Fernbridge Market, Fernbridge, California***.

This report discusses the activities and results for the site RA that includes; the excavation and disposal of contaminant-impacted soil; the collection and analysis of soil samples from the excavation area; backfilling and compaction of the excavation area; and site restoration. In addition, a brief summary of the site history including the nature and distribution of contamination identified at the site is included in this report. A detailed site history and a comprehensive evaluation of site contamination are presented in and Remedial Action Plan (RAP) prepared for the site (SHN, July 2003).

1.1 Site History

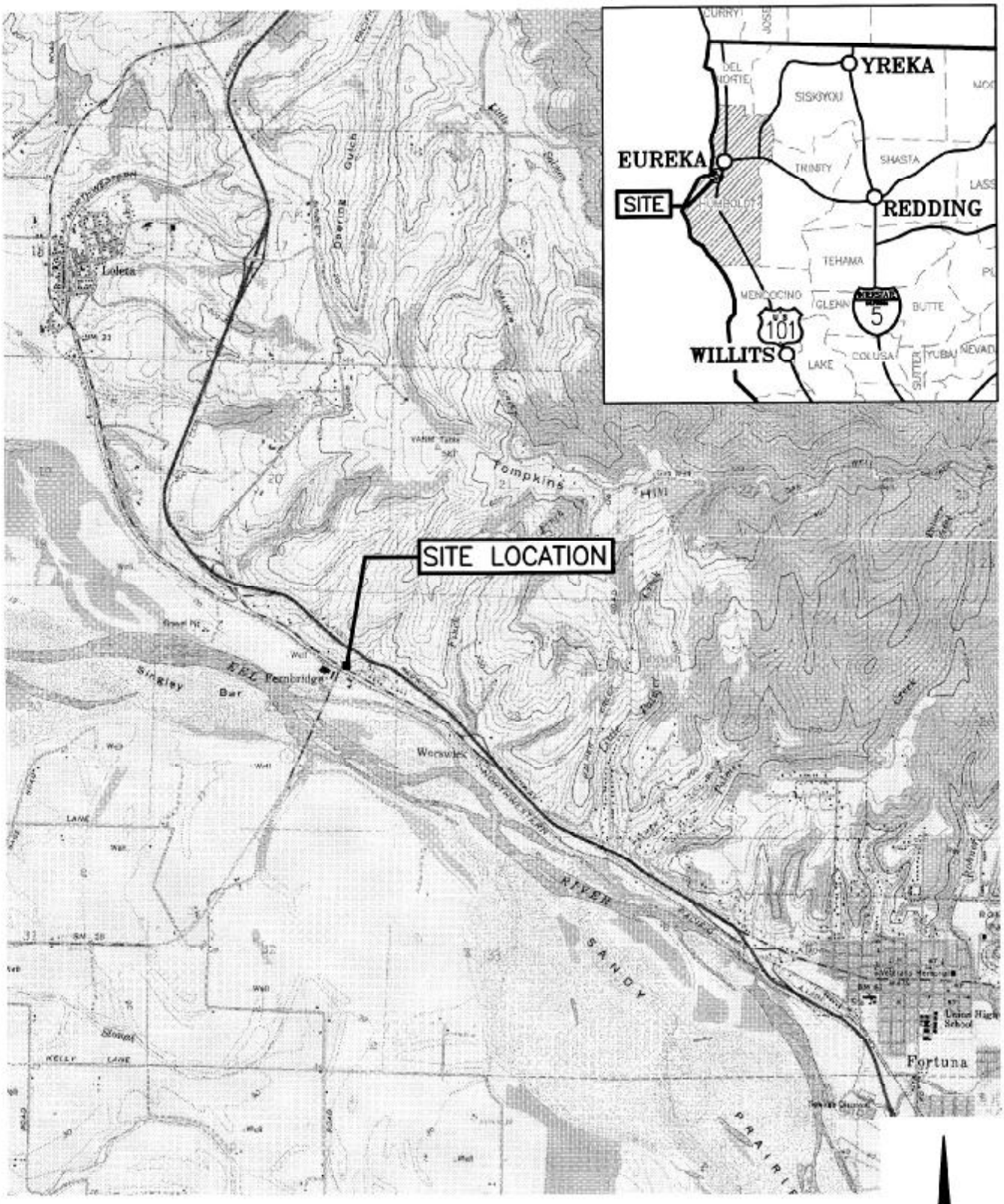
The site is located along Fernbridge Drive and is currently occupied by a market and restaurant, which consists of one building and a paved parking lot (Figure 2). Two 650-gallon USTs were formerly located at the site for the retail sale of gasoline. The period of operation for the USTs was believed to be during the 1940s and 1950s. Beacom Construction removed the USTs from the site on March 13, 1996. The former locations of the USTs and the existing site utilities (storm drains, sanitary sewer, water, electricity, and gas) are shown on Figure 2.

During the removal of the USTs, an odor and visible evidence of petroleum contaminants was observed in the tank excavation pit. Based upon the field observations made by the Humboldt County Division of Environmental Health (HCDEH) and soil sample laboratory analytical results, an Unauthorized Release Report was filed. Subsequent soil and groundwater investigations were conducted at the site and four groundwater monitoring wells were installed on May 16 and 17, 2000. Quarterly groundwater monitoring has occurred at the site since June 2000. A complete summary of soil and groundwater analytical results collected from the Fernbridge Market site was presented in the site Corrective Action Plan (CAP) (SHN, April 2003) and RAP (SHN, July 2003).

1.2 Nature and Extent of Contamination

The nature of the soil and groundwater contamination at the site consists of Total Petroleum Hydrocarbons as Gasoline (TPHG), Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), and fuel oxygenates Methyl Tertiary-Butyl Ether (MTBE), Tertiary-Butyl Alcohol (TBA), and 1, 2-Dichloroethane (1, 2-DCA).

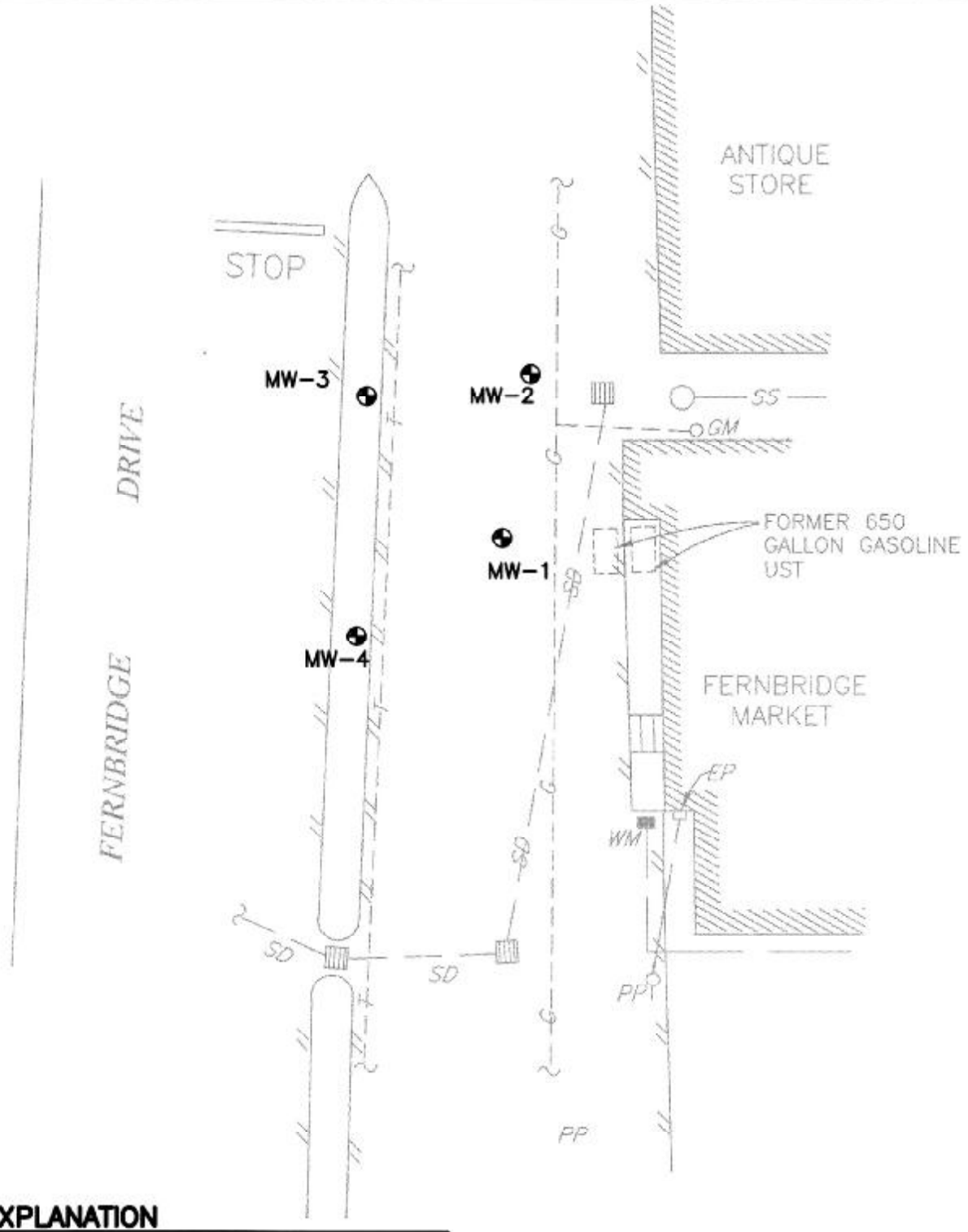
The existing pattern of soil and groundwater contamination in the vicinity of the former tank area suggests that contamination had migrated in a southerly and westerly direction (across the parking lot and toward Fernbridge Drive). The lateral extent of soil contamination on site appears to have been defined; however, a high variability in soil concentrations existed. The variability in soil concentrations appeared to be associated with preferential pathways. The vertical extent of the petroleum hydrocarbon contamination in soil throughout the site was relatively shallow, with the



SOURCE: FORTUNA AND FIELDS LANDING USGS 7.5 MINUTE QUADRANGLES

1"=3000'±

SHN Consulting Engineers & Geologists, Inc.	Fernbridge Market UST Investigation Fernbridge, California	Site Location Map SHN 098076
	February, 2005	098076-location	Figure 1



EXPLANATION

MW-1 ● *MONITORING WELL LOCATION AND DESIGNATION*

1"=20'

SHN Consulting Engineers & Geologists, Inc.	Fernbridge Market UST Investigation Fernbridge, California		Site Plan SHN 098076
	MAY 2004	098076-SITE-2004	Figure 2

highest concentrations detected between 6 and 8 feet Below Ground Surface (BGS). Contamination had not been detected at depths above 5 feet BGS or below 9 feet BGS (SHN, April 2003). A summary of historic soil sample analytical results within the planned excavation area of the site is presented in Figure 3.

The site is underlain by unconsolidated alluvial deposits consisting predominantly of silts and clays. Depth to groundwater at the site varies from approximately 5 to 7 feet BGS. Groundwater flow at the site is typically to the southwest.

1.3 Remedial Action Objective

The objective of the RA was to remediate soil at the site to the extent that it would no longer be a threat to groundwater. The reduction of hydrocarbon concentrations within and downgradient of the source area was achieved through excavation. The proposed cleanup goals for soil at the site during this remedial action were 100 milligrams per kilogram (mg/kg) for TPHG, 1.0 mg/kg for benzene, and 13 mg/kg for MTBE.

2.0 Scope of Work

The scope of work discussed in this section was designed to provide the information needed to meet the objective of this RA. Activities conducted during the site RA included the following activities:

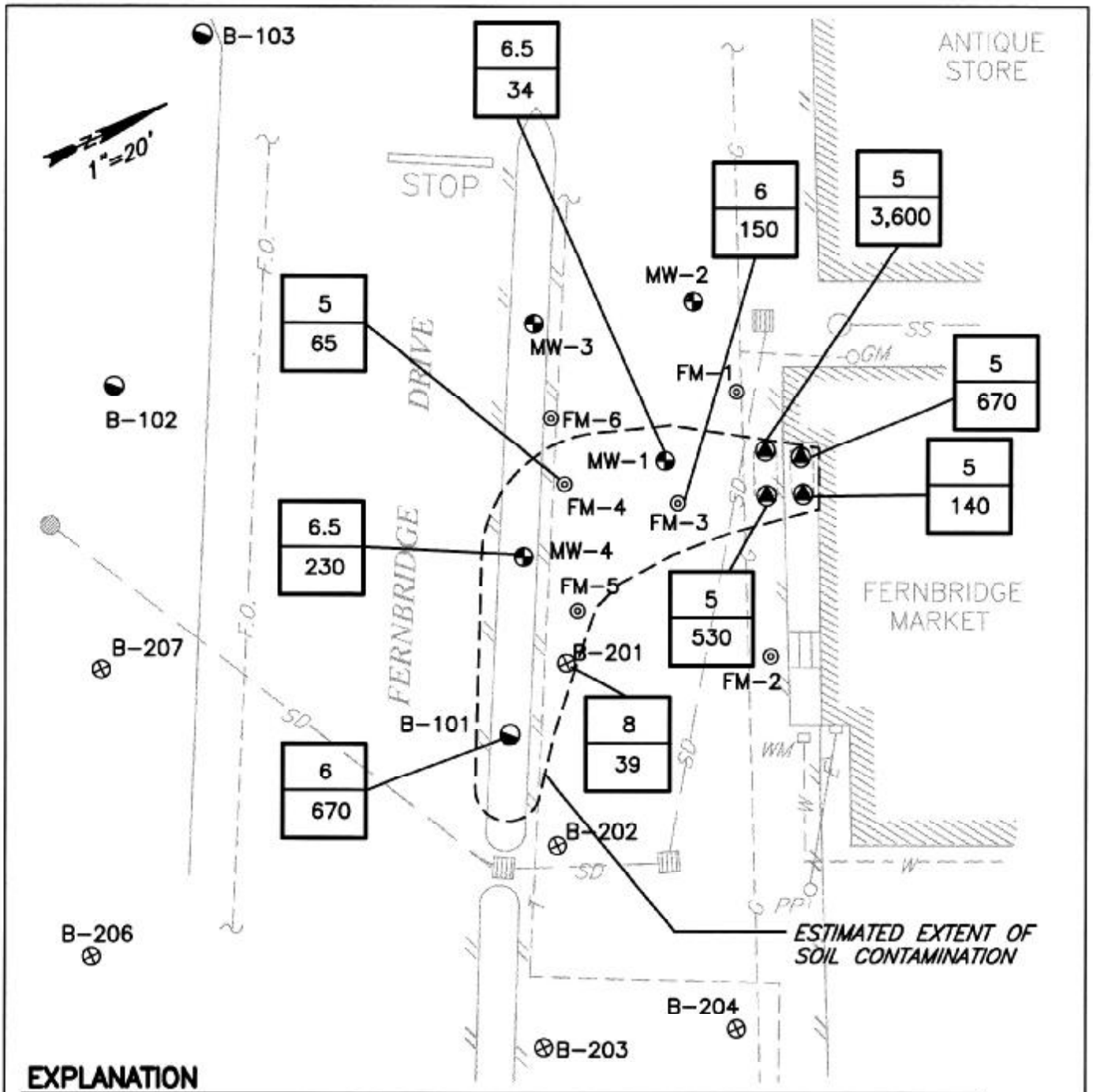
- Project implementation, including agency coordination, permit acquisition, and subcontractor coordination
- Abandonment of two monitoring wells located within the proposed excavation area
- Site set up and the removal of surface structures
- Excavation of contaminant-impacted soil
- Collection of excavation confirmation soil samples for laboratory analysis
- Characterization and disposal of contaminant-impacted soil
- Backfilling and compaction of the excavation area, and site restoration
- Installation of monitoring well(s)
- Preparation of this report of findings

2.1 Project Implementation

SHN and Beacom Construction set up and coordinated all activities related to the project, including obtaining all necessary permits and corresponding with the HCDEH and the Humboldt County Public Works Department. Underground Service Alert (USA) was notified prior to the commencement of field activities. All work was conducted in general accordance with the approved work plan and the Community Health and Safety Plan prepared for the site.

2.2 Field Program

Approximately 621 tons of contaminant-impacted material was excavated from the Fernbridge Market site and disposed of at an appropriate off-site facility. Soil samples were collected from the



EXPLANATION

- MW-1 — EXISTING MONITORING WELL AND DESIGNATION
- FM-1 — SOIL BORING AND WELL POINT LOCATION AND DESIGNATION (SHN, MARCH 4, 1999)
- B-101 — SOIL BORING AND WELL POINT LOCATION AND DESIGNATION (SHN, SEPT. 13, 2001)
- B-206 — SOIL BORING AND WELL POINT LOCATION AND DESIGNATION (SHN, APRIL 29, 2002)
- SOIL SAMPLE LOCATION (MARCH, 1996)
- EXCAVATION AREA
- 6.5 / 230 — DEPTH IN FEET BELOW GROUND SURFACE / TPHG RESULTS IN ug/g

SHN Consulting Engineers & Geologists, Inc.	Fernbridge Market UST Investigation Fernbridge, California	Historic Soil Sample Analytical Summary SHN 098076	
	February, 2005	098076-SAS-2002	Figure 3

excavation sidewalls and floor for chemical analysis to confirm that established soil remediation goals for the site were achieved. The excavation area was then backfilled and compacted and the site was restored to previous site conditions.

Two site monitoring wells located within the planned excavation area were abandoned prior to commencement of excavation activities on October 16, 2004 (MW-1 and MW-4, Figure 3). The monitoring wells were over drilled using a hollow stem auger drill rig and backfilled to the surface with cement. The HCDEH requested the installation of a replacement monitoring well following the completion of site excavation activities. Monitoring well MW-5 was installed at the site on February 9, 2005, and is discussed further Section 5.0.

2.2.1 Site Setup and Equipment Mobilization

Prior to the implementation of the excavation work, staging and temporary stockpiling areas were established at the site and temporary fencing was installed around the perimeter of the planned excavation area. The area designated for soil stockpiling was lined with Visqueen® and bermed around the edges. Two 1,000-gallon water storage tanks were mobilized to the site to contain water removed during excavation dewatering.

Equipment mobilized to the site for the duration of the RA included a backhoe, dump truck, loader and assorted hand tools. Equipment used onsite during the RA for specific purposes included a double drum roller, soil compactor, asphalt paver, curb extruder, and compaction testing equipment.

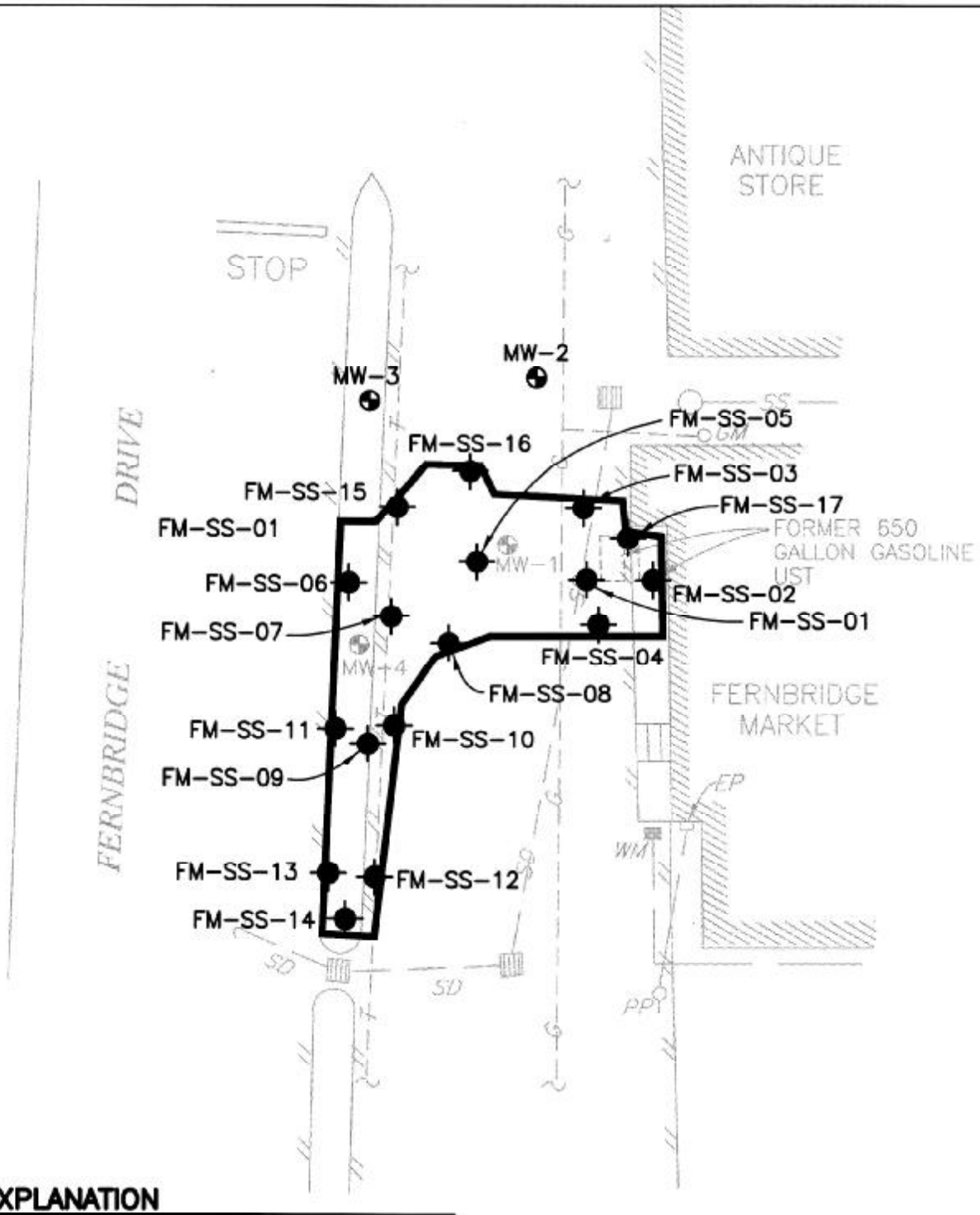
A portion of the deck located in front of the Market required removal in order to access the intended area of excavation. The decking material was preserved during removal and was reused during site restoration. Large boulders located along Fernbridge drive were temporarily removed from the work area to provide access to the excavation area.

Site constraints encountered during the RA included:

- The site is an operating facility.
- Buildings and surface structures are located near the source area and plume.
- Underground utilities are located near the source area and plume.
- Public right-of-way (Fernbridge Drive).

2.2.2 Excavation Activities

Approximately 621 tons of contaminant-impacted material was removed from the excavation area during the period of December 14 to December 16, 2004. The volume and area of the excavation was predetermined based on presence of soil contamination identified from previous site investigations (SHN, April 2003). Excavation activities started at the location of the former USTs and proceeded south towards Fernbridge Drive in order to remove only the areas that are necessary (Figure 4). The excavation depths ranged from approximately 9 to 10 feet BGS. Representatives from the HCDEH were onsite periodically during site excavation activities.



EXPLANATION

- MW-2 — *MONITORING WELL LOCATION AND DESIGNATION*
- FM-SS-12 — *SOIL SAMPLE LOCATION AND DESIGNATION*
- *EXCAVATION AREA*
- MW-1 — *FORMER SITE MONITORING WELL*

N

1"=20'

SHN Consulting Engineers & Geologists, Inc.	Fernbridge Market UST Investigation Fernbridge, California		Excavation Area Confirmation Sample Locations SHN 098076
	January, 2005	098076-ex-area	Figure 4

A backhoe operated by Beacom Construction was used to remove contaminant-impacted material from the excavation area and direct load the material into a dump truck. The dump truck transported the material from the excavation area to the stockpile area for temporary storage. The material was eventually loaded onto trucks for transportation to the appropriate off-site facility.

Field data collected during the excavation process was used to assess when the excavation was complete and should be sampled for confirmation purposes. Information used in the decision making process included visual observations by SHN, the use of an Organic Vapor Analyzer (OVA). The results of laboratory analysis from the collection of confirmation soil samples determined when the final excavation limits were attained. Daily Field Reports and OVA Field Monitoring Sheets are contained in Appendix A.

2.2.3 Excavation Soil Sample Collection

Soil samples were collected for laboratory analysis from the excavation sidewalls and floor in order to confirm soil remaining in place was below site remediation goals. Confirmation soil samples were collected from the excavation area at a frequency of every 20 linear feet on the sidewalls and for approximately every 400 square feet of surface area on the excavation floor. Soil samples collected from the excavation sidewalls were acquired from approximately 2 feet above the excavation floor (approximately 7 to 8 feet BGS). Figure 4 shows the locations of 17 soil samples collected from the excavation area during remediation activities at the site (FM-SS-01 through FM-SS-17). The results of confirmation soil sample analysis are presented in Section 3.1.

Soil samples were collected from the excavation area with the assistance of the backhoe, placed in laboratory-supplied containers and stored in an iced cooler. The samples were transported under chain-of-custody documentation to a State of California certified analytical laboratory for chemical analysis. Soil samples were analyzed for constituents discussed in Section 2.2.4.

2.2.4 Laboratory Analysis

Confirmation soil samples collected from the excavation area were analyzed for:

- TPHG, BTEX, and MTBE in general accordance with Environmental Protection Agency (EPA) Method 8260B.

North Coast Laboratories, Ltd., a state certified analytical laboratory located in Arcata, California, completed the sample analysis.

2.2.5 Soil Disposal

Soil generated during the excavation program was temporarily stored in a Visqueen® envelope on site in a pre-designated area. The soil was pre characterized for disposal according to the acceptance criteria for Bio Industries, Inc. located in Red Bluff, California.

The excavated material was loaded into trucks during the period of December 15 to December 20, 2004, for transport and disposal. Ben's Trucking of Red Bluff, California transported approximately 621 tons of excavated material to Bio Industries in Red Bluff, California. The disposal profile and shipping receipts are contained in Appendix B.

2.2.6 Site Restoration

Upon completion of the excavation and soil sampling activities, the area was backfilled with gravel to approximately 3 feet BGS. The remaining excavation area was backfilled with aggregate base material and compacted to 95% maximum wet density with a double-drum roller. Compaction testing was conducted on December 16 and 17, 2004, according to Caltrans C231 procedures in the field. The Compaction field test results are contained in Appendix A.

Following backfilling and compaction activities, the area was repaved with asphalt, and the curb along Fernbridge Drive was replaced to match pre-existing site conditions. Boulders removed from the shoulder of Fernbridge Drive prior to the RA were placed back into position, and the decking removed from the front of the market was restored. Groundwater was not encountered during site excavation activities, and therefore no site dewatering occurred.

3.0 Remedial Action Results

The native soil encountered during the RA consisted primarily of fine-grained material (silts and clay). The material excavated from the area formerly occupied by the USTs contained gravel, and appeared to be significantly impacted by petroleum constituents based on soil discoloration and elevated OVA readings. During excavation activities, the amount of contamination was observed to diminish with distance from the former UST locations in all directions except to the south (downgradient).

As excavation continued in the southerly direction, two abandoned gravel-filled leach lines were encountered within the area of identified contamination. The leach lines ran parallel to Fernbridge Drive and were connected to vertical metal wells that extended to approximately 7 feet BGS. The gravel filled leach lines contained evidence of petroleum contamination and were removed from the site. Evidence of soil contamination was fairly distinct in odor and discoloration around the leach lines. The contamination appeared to be fairly localized around the areas of high estimated permeability and did not appear to extend more than 2 feet from this material into the fine-grained native soil.

3.1 Excavation Soil Sample Results

The analytical results of soil samples collected from the excavation area were used to confirm that RA cleanup goals were attained and that excavation activities should stop. The results from excavation soil samples collected during the site RA are presented in Table 1, and the sample locations are shown in Figure 4.

TPHG and BTEX were detected in soil samples collected from the excavation sidewalls at sample locations FM-SS-02, -06, and -08. Components of BTEX were additionally detected in the excavation area at sample locations FM-SS-01, -03, -04, -05, -10, -11, -12, and –13. The levels of TPHG detected in excavation soil samples ranged from below laboratory reporting limits (<1.0 ug/g) to 43 micrograms per gram (ug/g). The levels of benzene detected in excavation soil samples ranged from below laboratory reporting limits (<0.005 ug/g) to 0.43 ug/g.

TPHG and BTEX levels that remain in place on the excavation floor and sidewalls were all below the designated soil remediation goals established for the site. MTBE was not detected above the laboratory method laboratory reporting limits in any of the excavation soil samples collected. The analytical test results, chain-of-custody documentation, and laboratory quality control data are included in Appendix C.

Table 1
Excavation Soil Sample Analytical Results, December 2004
Fernbridge Market, Fernbridge, California
(in ug/g)[1]

Sample Number	Sample Location	TPHG[2]	Benzene[3]	Toluene[3]	Ethyl-Benzene[3]	Total Xylenes[3]	MTBE[4]
FM-SS-01	Floor	<1.0	0.21	<0.005	<0.005	<0.015	<0.025
FM-SS-02	Sidewall	10	0.038	0.0083	0.14	0.1786	<0.025
FM-SS-03	Sidewall	<1.0	0.11	<0.005	0.033	0.040	<0.025
FM-SS-04	Sidewall	<1.0	0.073	<0.005	0.022	0.0052	<0.025
FM-SS-05	Floor	<1.0	0.14	<0.005	<0.005	<0.015	<0.025
FM-SS-06	Sidewall	43	0.24	0.60	0.54	1.85	<0.025
FM-SS-07	Floor	<1.0	<0.005	<0.005	<0.005	<0.015	<0.025
FM-SS-08	Sidewall	2.2	0.43	0.016	0.047	0.052	<0.025
FM-SS-09	Floor	<1.0	<0.005	<0.005	<0.005	<0.015	<0.025
FM-SS-10	Sidewall	<1.0	0.011	<0.005	<0.005	<0.015	<0.025
FM-SS-11	Sidewall	<1.0	0.0055	<0.005	<0.005	<0.015	<0.025
FM-SS-12	Sidewall	<1.0	0.021	<0.005	0.0073	<0.015	<0.025
FM-SS-13	Sidewall	<1.0	<0.005	<0.005	<0.005	<0.015	<0.025
FM-SS-14	Floor	<1.0	<0.005	<0.005	<0.005	<0.015	<0.025
FM-SS-15	Sidewall	<1.0	<0.005	<0.005	<0.005	<0.015	<0.025
FM-SS-16	Sidewall	<1.0	<0.005	<0.005	<0.005	<0.015	<0.025
FM-SS-17	Sidewall	<1.0	<0.005	<0.005	<0.005	<0.015	<0.025

1. ug/g: micrograms per gram
2. TPHG: Total Petroleum Hydrocarbons as Gasoline, analyzed in general accordance with EPA Method No. 8260B
3. BTEX: Benzene, Toluene, Ethylbenzene and Total Xylenes, analyzed in general accordance with EPA Method No. 8260.
4. MTBE: Methyl Tertiary-Butyl Ether, analyzed in general accordance with EPA Method No. 8260B.
5. <: Denotes a value that is "less than" the method reporting limit.

4.0 Discussion of Results

The removal of contaminant-impacted soil from the former location of the USTs and downgradient, and the assessment of soil contamination remaining at the site was successfully completed during the RA. The results of excavation soil samples and observations made in the field indicate that the areas containing elevated levels of petroleum constituents were removed and only minor areas of TPHG and BTEX contamination remain in the smear zone (approximately 5 to 8 feet BGS). MTBE was not detected at the site.

5.0 Long-Term Strategy

The installation of groundwater monitoring well MW-5 was completed at the site on February 9, 2005, and is shown in Figure 5. This well is intended to replace the former site monitoring wells MW-1 and MW-4 (destroyed prior to the commencement of the RA). In discussions with representatives from the HCDEH during site excavation activities, the installation of one monitoring well in this area was deemed sufficient to assess groundwater conditions due to the nature of the backfill material (pea gravel). Monitoring well MW-5 consists of a 1-inch diameter pre-packed well assembly, and is screened from a depth of 5 to 15 feet below ground surface.

The groundwater monitoring points at the site (MW-2, MW-3, and MW-5) will monitor the effects of the remediation, and document the ability of the aquifer to naturally attenuate any residual dissolved phase petroleum hydrocarbons. It is anticipated the groundwater monitoring will continue on the site for one additional year following the completion of this remedial action.

Groundwater samples collected from the site during quarterly monitoring will be analyzed for the following constituents:

- TPHG, BTEX, and MTBE in general accordance with EPA Method No. 8260B.

Monitored natural attenuation of groundwater at the site will be part of the long-term strategy and will be demonstrated over time with the following lines of evidence:

- Documented loss of contaminants over time, including the proof of decreased concentrations in target contaminants by in-plume monitoring wells over at least one hydraulic cycle and / or a demonstration that the groundwater contaminant plume is stable or shrinking.
- Physical / Geochemical evidence of contaminant degradation by monitoring key intrinsic biodegradation parameters, including Dissolved Oxygen (DO), Dissolved Carbon Dioxide (DCO_2), Oxidation-Reduction Potential (ORP), nitrate, sulfate, ferrous iron, manganese, and methane.

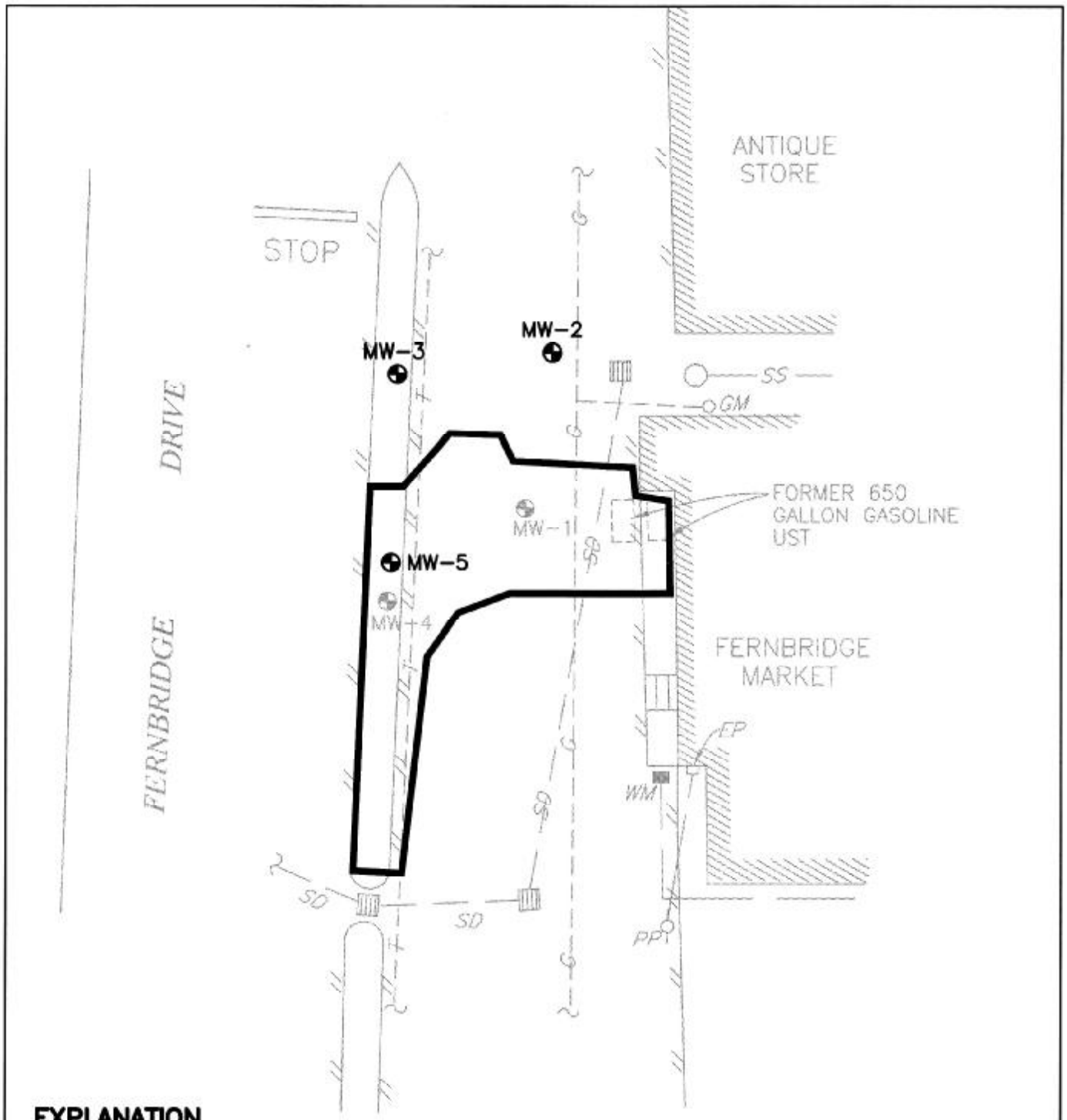
Groundwater samples from each monitoring well location at the site are proposed to be analyzed for biodegradation: nitrate, sulfate, dissolved iron, dissolved manganese, dissolved methane, and alkalinity. Groundwater will also be monitored for DO, DCO_2, and ORP using portable instrumentation during the field sampling activities. These parameters will provide additional support to indicate that natural attenuation of petroleum hydrocarbons is occurring at the site.

The first post-site remediation groundwater monitoring event is scheduled for March 2005.

6.0 References

SHN Consulting Engineers & Geologists, Inc. (April 2003). ***Corrective Action Plan, Fernbridge Market, Fernbridge, California***. Eureka: SHN.

---. (July 2003). ***Remedial Action Plan, Fernbridge Market, Fernbridge, California.*** Eureka: SHN.



SHN Consulting Engineers & Geologists, Inc.	Fernbridge Market UST Investigation Fernbridge, California	Site Monitoring Wells SHN 098076	
	February, 2005	098076-EX-AREA-MONWELLS	Figure 5

Appendix A

Field Notes

SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.
812 W. Wabash • Eureka, CA 95501-2138 • 707-441-8855 • Fax 707-441-8877 • info@shn-eureka.com

DAILY FIELD REPORT

Job No.: 048076		
Date: 12/13/04		
Project Name: Fernbrdge Mkt.	Client/Owner: LINDSAY INV.	DFR Sequence No.: 1 of / Day Of Week: Mon
General Location Of Work: 623 Fernbridge Dr. Fernbridge	Owner/Client Representative: Dick Lindsay	Project Engineer: PNB
General Contractor: SHN	Contractors Onsite: Beacom Const.	Supervisor: EJN
Type Of Work: RA, setup,	Weather: overcast	Technician:

900 prep gear, enroute site
930 @ FM, met w/ Beacom - Dave Morrison
Ken, Chmele, Dick Lindsay
OPS Review, Exc outline, contact
Market Personnel, Kelly, Connie,
1000 start Deck removal, Rock Removal
1020 Discuss MLS inc. Fence, visqueen
Barricades, Posting, Traffic Control
1040 offsite, enroute SHN
1100 @ SHN, update PNB

1330 Enroute site,
1400 w/ Beacom, site Fencing up, Barricades
rocks & deck removal, Backhoe & Loader
1445 mob. 2 1,000-gal water tanks to site
1500 offsite, enroute SHN
1520 @ SHN, unload gear, prep for 12/14
1545 End Day

4.25 hrs
58 mls

Signature and Date	Copy given to:	Reported By:
[signature] 12/13/04		

Pheni/shn/Techdocs/dfr.doc

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812 W. Wabash • Eureka, CA 95501-2138 • 707-441-8855 • Fax 707-441-8877 • info@shn-eureka.com

DAILY FIELD REPORT

Project Name: Fernbridge mkt	Client/Owner: Lindsay Inv.	Job No.: 098076
		Date: 12/14/04
		DFR Sequence No.: 2 of
		Day Of Week: Tue
General Location Of Work: 623 Fernbridge Dr, Fernbridge	Owner/Client Representative: Dick Lindsay	Project Engineer: PNB
General Contractor: SHN	Contractors Onsite: Beacom Const.	Supervisor: EJN
Type Of Work: RA, EXC	Weather: Fog	Technician:

800 prep gear, enroute FM

820 @ FM, Beacom onsite, start Asphalt Removal, 10 CY DT onsite Dump material @ stockpile loc. FT&E Visqueen in stockpile are set-up.

925 Exc, Heavy stain & HC odor @ 4.5-7.5' localized to HEK zone, w/ FF staining diminishing w/dist.

1015 Collect Floor sample SS-01, ~9.0' cont exc to Fernbridge drive

1115 collect SW samples, 02 (NSW) 03 (BSW) 04 (SSW)

1200 offsite, enroute SHN, @ SHN COC prep, change PID

1230 contact NCL re sample pick-up, have 1 cooler up front - 4 samples

1300 Enroute site, Cont exc towards FD,

1330 Pothole @ MW-4 10' south, slight HC odor + staining, collect TF-2 sample

1430 HCDEH onsite (MV), ops Review

1500 Dan ??? onsite, Disp Rev w/ Beacom schedule 8 trucks from Beacom Dec 12/15

1530 ID old septic line, Prob leaf at FD, 6" ?

1615 offsite enroute SHN

1650 @ office, place cooler w/ sample in tech office doc control,

1700 end Day

8.5 hrs

59 mi

Sample Log

Loc	ID	Time
9.0 TF 1	FM-SS-01	1035
NSW	FM-SS-02	1120
BSW	FM-SS-03	1130
SSW	FM-SS-04	1140
TF 2	FM-SS-05	1400

Equip Onsite

Backhoe

DD Roller

Loader

10 yd DT

Signature and Date	Copy given to:	Reported By:

CONSULTING ENGINEERS & GEOLOGISTS, INC.
812 W. Wabash • Eureka, CA 95501-2138 • 707/441-8855 • FAX: 707/441-8877 • shninfo@shn-engr.com

FIELD MONITORING SHEET

PROJECT	Fernbridge Mkt.	DATE:	12-14-04
JOB NO	098076	NAME:	EJN
CLIENT:	Lindsay Inc.	INSTRUMENT:	S&C PID - TNO
LOCATION:	Excavation Area	WEATHER:	overcast

TIME OF READING	BACKGROUND	READING ppm	COMMENTS
915	0.5-1.5		BG / parking Lot
920		10-15	Exc Area
			- Not sustained
930		30-60	Spoils
1000		5-10	Op. work Area
			- Not sustained
1035		1.5-3.0	SS-01
		40-50	Spoils
1120		6-10	SS-02
1136		1-2	SS-03
1140			SS-04
1320	1-1.5		
1340		3-4	MW-4 (~6.5')
1400		10-15	Spoils

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812 W. Wabash • Eureka, CA 95501-2138 • 707-441-8855 • Fax 707-441-8877 • info@shn-eureka.com

DAILY FIELD REPORT

Project Name: Fernbridge Market	Client/Owner: Lindsay Inv.	Job No.: 048076 Date: 12-15-04
		DFR Sequence No.: 3 of 5 Day Of Week: Wed.
General Location Of Work: 623 Fernbridge D. Fernbridge	Owner/Client Representative: Dick Lindsey	Project Engineer: JNB
General Contractor: SHN	Contractors Onsite: Beacom	Supervisor: EJN
Type Of Work: ZA, Exc, Disp, Sampling	Weather: Clear	Technician:

745 @ SHN, Prep gear, Smoke Sft
815 @ FM w/ Beacom, Exc cont along FD
Vertical Septic Tank Found,
845 Collect Exc Samples, see log SW/TK-2
Beans trucking onsite, load trucks w/ soil
1000 SBC onsite, phone line comes disrupted
1015 stop work, Assist exposing phone line
1030 move Backhoe to N, side by gravel zone
w/ shin in ydened, collect SW sample
1100 Pulled @ S End for phone line
PG&E onsite, Testing Re las line, wrap when
line is accessible prior to BF,
contact Alan Garrison 445-5568
1130 sample + COC prep, Smoke SHN
1200 1 cooler sent NCL, 9 samples
1215 Call contact MC, (MV), Re Septic line
1250 Smoke FM,
1215 @ site, cont. FD trench exc.
1300 Collect Exc. Samples
1340 stop Exc along FD, Sidewalls unstable
order backfill for immediate delivery
1400 Collect Exc Samples
1530 Start Backfilling Exc, Pea Gravel
1630 BF upto 4' along FD,
1645 Smoke SHN,
1715 @ SHN, COC & Sample prep, OPs Rev w/ RR
sample Delivery sched for 12/16
1745 End Day

Sample Log

loc	ID	Time
FDSW-1	FM-SS-06	850
TK-3	FM-SS-07	900
SSW-2	FM-SS-08	1030
TF-4	FM-SS-09	1310
SSW-3	FM-SS-10	1320
FDSW-2	FM-SS-11	1330
SSW-4	FM-SS-12	1405
FDSW-3	FM-SS-13	1415
TF-5	FM-SS-14	1425
NSW-3	FM-SS-15	1500
NSW-2	FM-SS-16	1510

Equip - BH, Loader, 10 wl.

BENS

8 trucks
shipped
w/ soil

9.5 hrs
58 mls

Signature and Date	Copy given to:	Reported By:
[signature]		

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FIELD MONITORING SHEET

PROJECT	Fernbridge Mkt	DATE:	12-15-04
JOB NO	098076	NAME:	EJN
CLIENT:	Lindsay Inv.	INSTRUMENT:	PID - 580 / TNU
LOCATION:	Excavation Area	WEATHER:	Clear

TIME OF READING	BACKGROUND	READING ppm	COMMENTS
845	1.0 - 1.5		Parking Lot
846	1.5 - 2.5	1.5 - 2.5	work Area
852		25 - 40	Stain w/HC. sample
			SS-06
905		10 - 12	TF SS-07
930		1.0 - 2.0	Op. work spoil
1005		2.5 - 5.0	stained soil - TP
1035		3.0 - 6.0	SW - SS-08
1100		1.8 - 3.2	phone line trench
1315	BL 1-2		
1320		20 - 30	spoils
		2 - 4.0	TF SS-09
		1 - 3.0	SW SS-10
		2.5 - 3.5	SW SS-11
1400		6.5 - 11.0	spoils
		1.5 - 4.0	SW SS-12
1415		1.8 - 2.5	SW. SS-13
		1.0 - 2.0	TF-SS 14
1500		4.2 - 5.5	spoils
		0.5 - 2.0	NSW -SS-15
		1.5 - 2.5	NSW SS-16

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DAILY FIELD REPORT

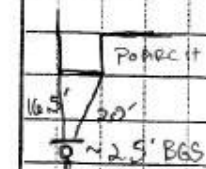
Job No. 098076

Page 1 of 2

Project Name: FERNBRIDGE MKT	Client/Owner	Daily Field Report Sequence No: 4 of 5
General Location Of Work: FERNBRIDGE	Owner/Client Representative	Date: 12-16-04 / Day Of Week: ~~TUE~~ THURS
General Contractor: BEACOM	Grading Contractor	Project Engineer: PAT BARSANTI
Type Of Work: SOIL EX	Grading Contractor, Superintendent, Or Foreman	Supervisor: R. RUCEL
Source & Description Of Fill Material: PEA GRAVEL	Weather: CLEAR COOL	Technician
	Key Persons Contacted (Civil Engr, Architect, Developer, Etc)	

Describe Equipment Used For Hauling, Spreading, Watering, Conditioning, & Compacting

8:00 ON-SITE - BEACOM SAW CUTTING -
REMOVE 1 BUCKET FROM CORNER - COLLECT SAMPLE
S-17 FROM 5.5' BGS - 22 PPM
8:15 CALL PG&E ALLEN GARRISSON? 445-5568 - LEAVE MESSAGE
CALL PG&E MAIN LINE 1-800 743 5000
623 FERNBRIDGE
8:20, 8:50 ~~CALL~~ PG&E MAIN LINE SAID TODAY CAN'T GIVE TIME
8:50 CALL ALLAN GARRISON AGAIN SAID HE DID NOT KNOW
ABOUT LINE WRAPPING - WILL HAVE SOMEONE DO IT TODAY
8:55 BACKFILLING W/ PEA GRAVEL
9:15 REPAIR DRAIN LINE & CLAY PIPE NEAR BLDG
4 BINS TRUCKS LOADED SO FAR TODAY
FILL W/ BASE ALONG PHONE LINE
10:15 3 MORE BINS TRUCKS - DAVID MORRIS SAID 8 TRUCKS
SUPPOSED TO SHOW TODAY - RICHARD LINDSEY SAID
REMOVE CAP ON LINE
10:30 PG&E ON SITE
10:42 PG&E WRAPPED GAS LINE & OFF SITE - CONTINUE TO
BACKFILL W/ MORE BINS TRUCK - 6 SO FAR
8 - BINS TRUCKS TOTAL
1145 OFF SITE



	Copy given to:	Reported By:

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812 W. Wabash • Eureka, CA 95501-2138 • 707-441-8855 • Fax 707-441-8877 • info@shn-eureka.com

DAILY FIELD REPORT

Project Name: Fernbridge Mkt.	Client/Owner: Lindsay Inv.	Job No.: 098076
		Date: 12-16-04
		DFR Sequence No.: 4 of 5
		Day Of Week: Thurs
General Location Of Work: 623 Fernbridge Dr, Fernbridge	Owner/Client Representative: Dick Lindsay	Project Engineer: PNB
General Contractor: SHN	Contractors Onsite: Beacom, Bens	Supervisor: ESN
Type Of Work: Sampling, BF, comp, shipping	Weather: Overcast, Clear (PM)	Technician:

1230 Call For NCL sample pickup @ SHN
1245 Enroute Site
1310 @ Site, Ops Rev. w/ Beacom
cont BF, Start A/B BF w/ compaction
1345 Shipping (Bens) Ends - 8 trucks
1400 set phone cable, Gas & SD Good
Cover sewer Line, HC Not Insp.
1430 Contact SHN Materials testing Re Comp test
No curve on file for Granite-Aton Method
will send tech for test & sample for curve
1530 SHN onsite, comp test, Data Due 12/17
cont. BF compaction,
1615 Ops Rev w/ Beacom Re comp results
contact MT Lab Re curve - HC right of way
use Caltrans curve method
1625 offsite, enroute SHN
1645 @ SHN, MT Lab, Data is good +95% achieved
1700 Notify Beacom of Comp test results, OK to
cont. BF & Comp. - schedule 10 AM 12/17
test for comp.
1715 Doc control
1730 End Day

5 hrs
58 mls

Bens
8 trucks shipped

Signature and Date	Copy given to:	Reported By:
[signature] 12/16/04		

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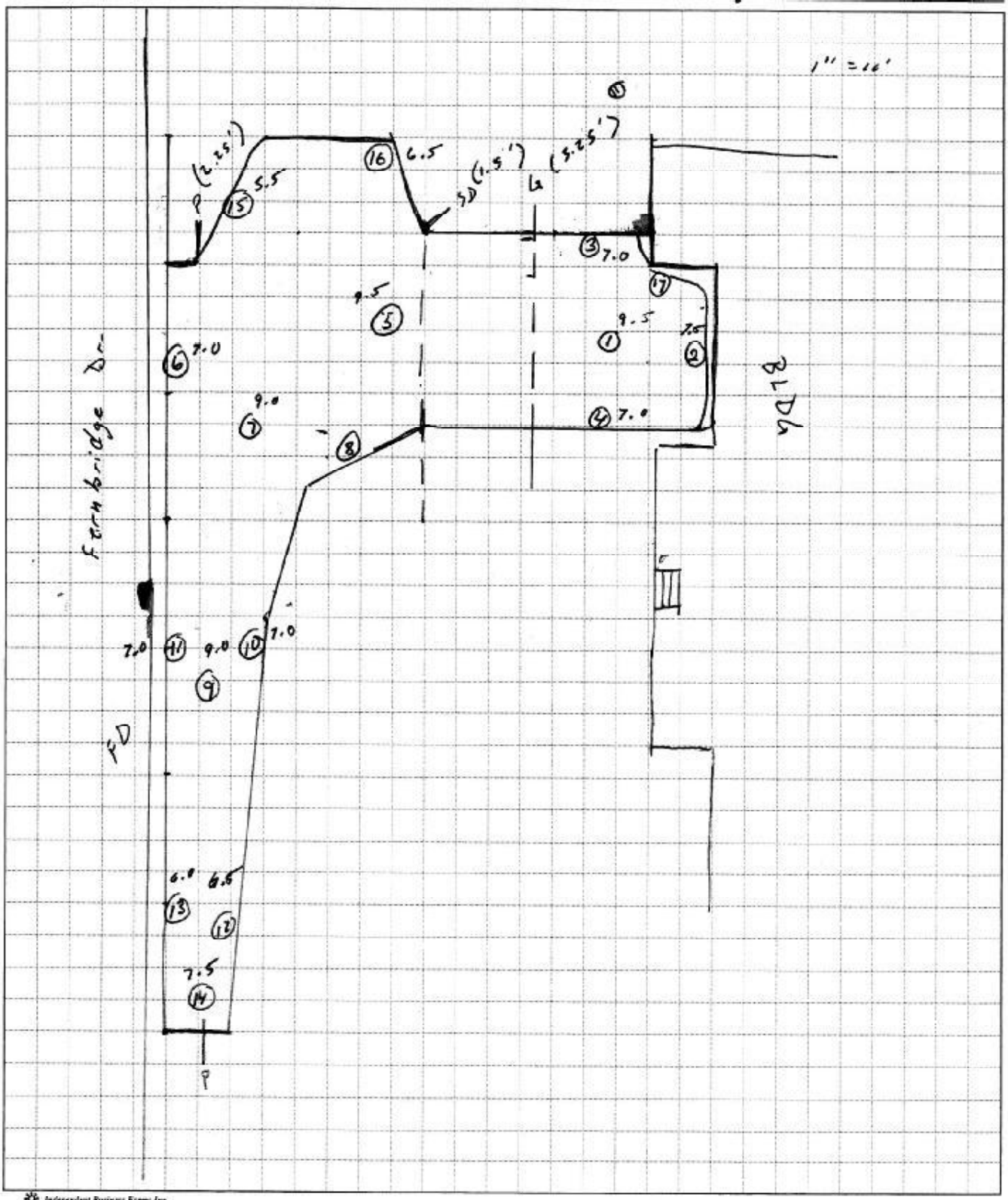
SHN
ENGINEERS & GEOLOGISTS
812 W. Wabash Ave. Tel. 707 / 441-8855
Eureka, CA 95501-2138 Fax: 707 / 441-8877

JOB Fernbridge Mkt.
SHEET NO. 098046 OF 1
CALCULATED BY EJN DATE 12/16/04
CHECKED BY DATE
SCALE 1" = 10'



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DAILY FIELD REPORT

Project Name: Fernbridge Mkt.	Client/Owner: Lindsay Inv.	Job No.: 098076 Date: 12-17-04 DFR Sequence No.: 5 of 5 Day Of Week: FRI
General Location Of Work: 623 Fernbridge Dr., Fernbridge	Owner/Client Representative: Dick Lindsay	Project Engineer: PNB
General Contractor: SHN	Contractors Onsite: Beacom Const, Bens Trucking	Supervisor: EJN
Type Of Work: RA, site Rest, ship,	Weather: Clear	Technician:

1000 Enroute FM site
1020 @ Site, BF & Comp cont., Shipping underway
SHN compaction testing onsite (DL)
1100 Remove Broken Asphalt From Edges
Prepare for Paving
1115 Incorporate Drum containing WD material
to Soil stockpile across street
1200 Shipping (Bens) complete - 8 trucks
App. 1 Load Remains - (12/20 ship)
1245 RA Area prepared for paving,
Rev. site Rest w/Ken, Rocks, Deck, Curb
1305 Paving equip. onsite

Signature and Date | Copy given to: | Reported By:

H:\...\TechForms\dfr.doc

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DAILY FIELD REPORT

Job No.: 094076
Date: 2/9/05
DFR Sequence No.: 1 of 1
Day Of Week: Wed.

Project Name	Client/Owner	Project Engineer
Fernbridge Mkt.	Lindsay Investments	PNB
General Location Of Work	**Owner/Client Representative**	**Supervisor**
623 Fernbridge Dr, Fernbridge	Dick Lindsay	EJN
General Contractor	**Contractors Onsite**	**Technician**
SHN	Fisch Env.	
Type Of Work	**Weather**	
Well Installation	clear	

800 @ SHN, prep gear, meet Fisch
820 Enroute site,
840 @ site w/ Fisch, site map, TSM
Not. by Market occupants
850 set up @ MW-5, assemble well
3/4" ID, PVC pack system
915 start drilling MW-5
940 stop drilling, TD @ 15'
start well const., WD 14.8'
1000 install well box, Bent. 1.5'-3.0
cement seal 1.5 to 0.0
1030 installation complete
cleanup & demob
1050 offsite FM, Enroute SHN
1115 @ SHN, unload gear, doc cooked
1130 End Day

3.5 hrs

63769
783

Signature and Date		Copy given to:	Reported By:
[signature]	2/9/05		

Appendix B

Disposal Profile and Shipping Receipts

BIO INDUSTRIES

Phone (530) 527-5040 Fax (530) 527-9170

GENERATORS MATERIALS PROFILE SHEET

TYPE OR PRINT IN INK

Profile Sheet Code T-1048-04

A. GENERAL INFORMATION:

Date: 1/19/05

Generator's Name: Richard Lindsay

Mailing Address: P.O. Box 914, Ferndale, CA 95536

Phone: 707-725-5174 Fax

Site Address: 623 Fernbridge Dr.
Fernbridge, CA

Site History: Market w/ UST for the retail sale of gasoline.
operated for undetermined period prior to 1980

Description of Material and Generating Process (Please be specific): Soil generated from
the excavation activities during Removal Action

Is Source of Waste from a Underground Tank? (Check one) Yes ✓ No

Petroleum Product Present (check all that apply): ✓ Gasoline Diesel Waste Oil

Other:

B. MAIL INVOICES TO:

Company Name: Beacom Construction Contact Person: David Morris

Address: 659 Main St., Fortuna, CA 95540

Phone: 707-725-3323 Fax 707-725-5428

C. CONSULTANT:

Company: SHN Consulting Contact Person: Erik Nielsen

Address: 812 W Wabash, Eureka CA 95501

Phone: 707-441-8855 Fax: 707-441-8877

D. REPRESENTATIVE SAMPLE CERTIFICATION:

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA § 40 CFR 261.20(c) guidelines or equivalent rules? (Check one) YES NO

Sample Date: Check One: Composite Sample Grab Sample

Sampler's Employer:

Sampler's Signature: Printed Name:

E. TRANSPORTATION INFORMATION:

Anticipated Quantity (tons) : _____

Provide Directions, including any maps available as to the location of soils/wastes to be transported:

_____

_____

Method of Transportation: Bulk ✓ Drums _____

F. CHEMICAL CHARACTERISTICS:

Hydrocarbon Concentration, please list range of concentration:

TPH-G	ND - 3200 P.P.M	TPH-D	_____	Motor Oil	_____
Hydraulic Oil	_____	Benzene	ND - 18 P.P.M	Other	_____

TTLC Metals (mg/Kg), please list range of concentration:

Antimony	_____	Cobalt	_____	Selenium	_____
Arsenic	_____	Copper	_____	Silver	_____
Barium	_____	Lead	6.78 - 13.7 P.P.M	Thallium	_____
Beryllium	_____	Mercury	_____	Vanadium	_____
Cadmium	_____	Nickel	_____	Zinc	_____
Chromium	_____	Molybdenum	_____		

Aquatic Toxicity ___ Pass ___ Fail

G. PRE-ACCEPTANCE REQUIREMENTS:

GASOLINE ANALYSIS REQUIRED, please mark tests preformed and number of samples:

NO. OF SAMPLES	CHEMICAL ANALYSIS	EPA METHOD
6	Total Petroleum Hydrocarbons (THP) Gas *	8015 M/5030
6	Benzene, Toluene, Xylene, Ethylbenze (BTEX)	8260 B
6	Fuel Oxygenates **	8260 B
6	Total Lead *** (if leaded gasoline is suspected or if source is from spill on a roadway) **NOTE: Only 1 analysis required on sample containing highest TPH Gas concentration.**	7421

* If test show TPH greater than 3,000 mg/KG as gasoline, one bioassay test, in accordance with Title 22, must be performed on samples that exceed this level (a maximum of 2 test will be required, but they must be performed on the most highly contaminated soil samples.)

** Methyl tert-Butly Ether, Tert-Butanol, Di-isopropyl Ether, Ethyl tert-Butyl Ether, & Tert-Amyl methyl Ether.

*** If total lead concentration exceeds 50 mg/kg, the sample must be analyzed for soluble lead using the California Waste Extraction Test.

DIESEL ANALYSIS REQUIRED, please mark test preformed and number of samples:

NO. OF SAMPLES	CHEMICAL ANALYSIS	EPA METHOD
	Total Petroleum Hydrocarbons (THP) Diesel * (Jet Fuel, kerosene, and similar formulations shall be tested by EPA Method 8015M)	8015 M/3550

* If test show TPH greater than 10,000 mg/KG as diesel, one bioassay test, in accordance with Title 22, must be performed on samples which exceed this level (a maximum of 2 test will be required, but they must be performed on the most highly contaminated soil samples.)

MOTOR OIL ANALYSIS REQUIRED, please mark tests preformed and number of samples:

NO. OF SAMPLES	CHEMICAL ANALYSIS	EPA METHOD
	Total Petroleum Hydrocarbons (THP) Gas *	8015 M/5030
	Total Petroleum Hydrocarbons (THP) Diesel *	8015 M/3550 B
	Oil and Grease-Extractable*	5520 D/E
	BTEX	8260 B
	Fuel Oxygenates **	8260 B
	Semi-Volatile organics	8270 C
	Polychlorinated Biphenyls	8082
	Total Metals for compounds listed in Table II, Section 66261.24 of Title 22(Excluding asbestos, lead and mercury)***	6010 A/B
	Lead ***	7421
	Mercury ***	7471 A

* If test show TPH greater than 3,000 mg/kg as gasoline, 6,000 mg/kg as oil & grease, or 10,000 mg/kg as diesel one bioassay test, in accordance with Title 22, must be performed on the most highly contaminated soil samples.

** Fuel oxygenates shall includs the constituents identified under gasoline contaminated soil.

*** If any total metal concentration exceeds 10 times the Soluble Threshold Limit Concentration for the respective metal listed in Table II, Section 66261.24 of Title 22, then a soluble analysis for the metal(s) using the California Waste Extraction Test shall be required.

FOR ALL PETROLEUM CONTAMINATED SOILS

If the soil is from an agriculture facility such as a farm or ranch, or if pesticide use was confirmed or suspected at the source of the contaminated soil, analyses for Total Threshold Limit Concentrations of Organic Persistent and Bioaccumulative Toxic Substances as listed in Table III, Section 66261.24, Title 22, shall be required. The Regional Water Quality Control Board may require additional testing.

SAMPLE FREQUENCY

Less than 10 Cubic Yards	1	Sample
11 to 99 Cubic Yards	2	Samples
100 to 199 Cubic Yards	3	Samples
200 to 499 Cubic Yards	4	Samples
500 to 2,500 Cubic Yards	6	Samples
For each 500 yards greater than 2,500	1	Additional Sample

H. CERTIFICATION:

No soils referenced herein may be delivered until the foregoing certificate is received and approved by Bio Industries, and BIO assigns a profile number and delivery date. If any soils delivered to BTE are found to be "hazardous waste" pursuant to federal or state regulations, Client shall be solely responsible for their removal. If Client fails to so remove such soils, Bio Industries, acting as Client's agent, may arrange for such removal at Client's expense.

This is a complete and accurate description of the soil referenced herein; no deliberate or willful omissions have been made and all known or suspected hazards have been disclosed herein. I/We certify that the soil is not "hazardous" as defined by U.S. Department of Transportation (DOT), U.S. Environmental Protection Agency (EPA), State or local regulations. I/We further Certify that the soils referenced herein contain no free liquids. All required analysis reports are attached.

OWNER/GENERATOR CERTIFICATION:

Signature: Erik Nielsen Title: Site Supervisor

Name (print): Erik Nielsen Date: 1/19/05

PROFESSIONAL CERTIFICATION:

Signature: _____ Title: _____

Name (print): _____ Date: _____

Registration Stamp:

REGISTERED GEOLOGIST
ERIK J. NIELSEN
No. 7288
EXP. 4/05
STATE OF CALIFORNIA

Ben's Truck & Equipment, Inc.

BIO INDUSTRIES, INC.

19760 Callahan Road Red Bluff, CA

P.O. Box 732, Red Bluff, CA 96080 - 530/527-5040 - Fax 530/527-9170

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on the certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GENERATOR: Fernbridge Market

623 Fernbridge Drive

DATE: 12/15/2004

JOB: T-1048-04

COMMODITY: Contaminated Soil

	CARRIER NAME	TRUCK NO	TRAILER NO	GROSS LBS	TARE LBS	NET LBS	NET TONS
1	Ben's	22	23E	78920	32660	46260	23.13
2	Ben's	43	22E	81720	32200	49520	24.76
3	Ben's	33	24E	79080	32580	46500	23.25
4	Ben's	32	25E	82400	32960	49440	24.72
5	Ben's	34	44P	78960	30280	48680	24.34
6	Ben's	48	48P	86220	31380	54840	27.42
7	Ben's	21	21P	82800	28800	54000	27.00
8	Ben's	38	26E	78960	31900	47060	23.53
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

Tonnage Total 198.15

WEIGHMASTER: C. Vaughn

Ben's Truck & Equipment, Inc.

BIO INDUSTRIES, INC.

19760 Callahan Road Red Bluff, CA

P.O. Box 732, Red Bluff, CA 96080 - 530/527-5040 - Fax 530/527-9170

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GENERATOR: Fernbridge Market

623 Fernbridge Drive

COMMODITY: Contaminated Soil

DATE: 12/17/2004

JOB: T-1048-04

	CARRIER NAME	TRUCK NO	TRAILER NO	GROSS LBS	TARE LBS	NET LBS	NET TONS
1	Ben's	22	23E	82500	32560	49940	24.97
2	Ben's	43	22E	79120	32220	46900	23.45
3	Ben's	33	24E	79580	32480	47100	23.55
4	Ben's	38	26E	80080	32760	47320	23.66
5	Ben's	32	25E	79800	32960	46840	23.42
6	Ben's	34	44P	82260	30140	52120	26.06
7	Ben's	21	21P	84020	28820	55200	27.60
8	Ben's	48	48P	84060	31380	52680	26.34
9							
10							
11							
12							
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14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

Tonnage Total 199.05

WEIGHMASTER: C. Nanfito

Ben's Truck & Equipment, Inc.

BIO INDUSTRIES, INC.

19760 Callahan Road Red Bluff, CA

P.O. Box 732, Red Bluff, CA 96080 - 530/527-5040 - Fax 530/527-9170

WEIGHMASTER CERTIFICATE:

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GENERATOR: Fernbridge Market

623 Fernbridge Drive

DATE: 12/16/2004

JOB: T-1048-04

COMMODITY: Contaminated Soil

	CARRIER NAME	TRUCK NO	TRAILER NO	GROSS LBS	TARE LBS	NET LBS	NET TONS
1	Ben's	22	23E	80740	32700	48040	24.02
2	Ben's	43	22E	81080	32240	48840	24.42
3	Ben's	33	24E	79860	32460	47400	23.70
4	Ben's	38	26E	83640	32720	50920	25.46
5	Ben's	32	25E	82440	32920	49520	24.76
6	Ben's	24	44P	79860	30200	49660	24.83
7	Ben's	21	21P	84160	28720	55440	27.72
8	Ben's	48	48P	81760	31440	50320	25.16
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

Tonnage Total 200.07

WEIGHMASTER: C Nanfito

BIO INDUSTRIES, INC.

19760 Callahan Road Red Bluff, CA

P.O. Box 732, Red Bluff, CA 96080 - 530/527-5040 - Fax 530/527-9170

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighted, measured or counted by a weighmaster, whose signature is on the certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GENERATOR: Fernbridge Market

623 Fernbridge Drive

DATE: 12/20/2004

JOB: T-1048-04

COMMODITY: Contaminated Soil

	CARRIER NAME	TRUCK NO	TRAILER NO	GROSS LBS	TARE LBS	NET LBS	NET TONS
1	Ben's	22	23E	81060	32760	48300	24.15
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
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16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

Tonnage Total 24.15

WEIGHMASTER: C. Van Zee

Appendix C

Laboratory Analytical Reports

NORTH COAST LABORATORIES LTD

December 15, 2004

SHN Consulting Engineers and Geologists
812 West Wabash Avenue
Eureka, CA 95501

Attn: Erik Nielsen

RE: 098076 Fernbridge Mkt.

Order No.: 0412367
Invoice No.: 46806
PO No.:
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	FM-SS-01
02A	FM-SS-02
03A	FM-SS-03
04A	FM-SS-04

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Laboratory Supervisor(s) | QA Unit Manager | Jesse G. Chaney, Jr. Laboratory Director

North Coast Laboratories, Ltd. **Date:** *15-Dec-04*

CLIENT: SHN Consulting Engineers and Geologists
Project: 098076 Fernbridge Mkt.
Lab Order: 0412367

CASE NARRATIVE

Gasoline Components/Additives:
Sample FM-SS-02 appears to be similar to gasoline but certain peak ratios are not that of a fresh gasoline standard. The reported result represents the amount of material in the gasoline range.

Date: 15-Dec-04
WorkOrder: 0412367

ANALYTICAL REPORT

Client Sample ID: FM-SS-01 **Received:** 12/14/04 **Collected:** 12/14/04 10:35
Lab ID: 0412367-01A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/14/04	12/14/04
Benzene	0.21	0.0050	µg/g	1.0	12/14/04	12/14/04
Toluene	ND	0.0050	µg/g	1.0	12/14/04	12/14/04
Ethylbenzene	ND	0.0050	µg/g	1.0	12/14/04	12/14/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/14/04	12/14/04
o-Xylene	ND	0.0050	µg/g	1.0	12/14/04	12/14/04
Surrogate: 1,4-Dichlorobenzene-d4	95.5	80-120	% Rec	1.0	12/14/04	12/14/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/14/04	12/14/04

Client Sample ID: FM-SS-02 **Received:** 12/14/04 **Collected:** 12/14/04 11:20
Lab ID: 0412367-02A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/14/04	12/14/04
Benzene	0.038	0.0050	µg/g	1.0	12/14/04	12/14/04
Toluene	0.0083	0.0050	µg/g	1.0	12/14/04	12/14/04
Ethylbenzene	0.14	0.0050	µg/g	1.0	12/14/04	12/14/04
m,p-Xylene	0.17	0.010	µg/g	1.0	12/14/04	12/14/04
o-Xylene	0.0086	0.0050	µg/g	1.0	12/14/04	12/14/04
Surrogate: 1,4-Dichlorobenzene-d4	97.7	80-120	% Rec	1.0	12/14/04	12/14/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	10	1.0	µg/g	1.0	12/14/04	12/14/04

Date: 15-Dec-04
WorkOrder: 0412367

ANALYTICAL REPORT

Client Sample ID: FM-SS-03
Lab ID: 0412367-03A

Received: 12/14/04 **Collected:** 12/14/04 11:30

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/14/04	12/14/04
Benzene	0.11	0.0050	µg/g	1.0	12/14/04	12/14/04
Toluene	ND	0.0050	µg/g	1.0	12/14/04	12/14/04
Ethylbenzene	0.033	0.0050	µg/g	1.0	12/14/04	12/14/04
m,p-Xylene	0.040	0.010	µg/g	1.0	12/14/04	12/14/04
o-Xylene	ND	0.0050	µg/g	1.0	12/14/04	12/14/04
Surrogate: 1,4-Dichlorobenzene-d4	94.5	80-120	% Rec	1.0	12/14/04	12/14/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/14/04	12/14/04

Client Sample ID: FM-SS-04
Lab ID: 0412367-04A

Received: 12/14/04 **Collected:** 12/14/04 11:40

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/14/04	12/14/04
Benzene	0.073	0.0050	µg/g	1.0	12/14/04	12/14/04
Toluene	ND	0.0050	µg/g	1.0	12/14/04	12/14/04
Ethylbenzene	0.022	0.0050	µg/g	1.0	12/14/04	12/14/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/14/04	12/14/04
o-Xylene	0.0052	0.0050	µg/g	1.0	12/14/04	12/14/04
Surrogate: 1,4-Dichlorobenzene-d4	93.1	80-120	% Rec	1.0	12/14/04	12/14/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/14/04	12/14/04

North Coast Laboratories, Ltd.

Date: 15-Dec-04

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0412367
Project: 098076 Fernbridge Mkt.

QC SUMMARY REPORT

Method Blank

Sample ID: **MB-12652** Batch ID: **12652** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **12/14/04 8:05:00 AM** Prep Date: **12/14/04**
Client ID: Run ID: **ORGCMS3_041214A** SeqNo: **469941**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.025	0	0	0%	0	0	0			
Benzene	ND	0.0050	0	0	0%	0	0	0			
Toluene	ND	0.0050	0	0	0%	0	0	0			
Ethylbenzene	ND	0.0050	0	0	0%	0	0	0			
m,p-Xylene	ND	0.010	0	0	0%	0	0	0			
o-Xylene	ND	0.0050	0	0	0%	0	0	0			
1,4-Dichlorobenzene-d4	0.923	0.10	1.00	0	92.3%	80	120	0			

Sample ID: **MB-12652** Batch ID: **12652** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **12/14/04 8:05:00 AM** Prep Date: **12/14/04**
Client ID: Run ID: **ORGCMS3_041214B** SeqNo: **469950**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	0.3117	1.0									J

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 15-Dec-04

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0412367
Project: 098076 Fernbridge Mkt.

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID: **LCS-12652** Batch ID: **12652** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **12/14/04 5:33:00 AM** Prep Date: **12/14/04**
Client ID: Run ID: **ORGCMS3_041214A** SeqNo: **469939**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3899	0.025	0.400	0	97.5%	86	137	0			
Benzene	0.3828	0.0050	0.400	0	95.7%	74	137	0			
Toluene	0.3528	0.0050	0.400	0	88.2%	69	139	0			
Ethylbenzene	0.3837	0.0050	0.400	0	95.9%	77	139	0			
m,p-Xylene	0.7683	0.010	0.800	0	96.0%	74	147	0			
o-Xylene	0.3808	0.0050	0.400	0	95.2%	62	147	0			
1,4-Dichlorobenzene-d4	0.964	0.10	1.00	0	96.4%	80	120	0			

Sample ID: **LCSD-12652** Batch ID: **12652** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **12/14/04 5:58:00 AM** Prep Date: **12/14/04**
Client ID: Run ID: **ORGCMS3_041214A** SeqNo: **469940**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3842	0.025	0.400	0	96.1%	86	137	0.390	1.46%	20	
Benzene	0.3849	0.0050	0.400	0	96.2%	74	137	0.383	0.544%	20	
Toluene	0.3518	0.0050	0.400	0	87.9%	69	139	0.353	0.300%	20	
Ethylbenzene	0.3841	0.0050	0.400	0	96.0%	77	139	0.384	0.111%	20	
m,p-Xylene	0.7639	0.010	0.800	0	95.5%	74	147	0.768	0.580%	20	
o-Xylene	0.3803	0.0050	0.400	0	95.1%	62	147	0.381	0.149%	20	
1,4-Dichlorobenzene-d4	0.960	0.10	1.00	0	95.9%	80	120	0.964	0.517%	15	

Sample ID: **LCSG-12652** Batch ID: **12652** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **12/14/04 6:49:00 AM** Prep Date: **12/14/04**
Client ID: Run ID: **ORGCMS3_041214B** SeqNo: **469948**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	22.44	1.0	20.0	0	112%	77	124	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0412367
Project: 098076 Fernbridge Mkt.

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSDG-12652** Batch ID: **12652** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **12/14/04 7:14:00 AM** Prep Date: **12/14/04**
Client ID: Run ID: **ORGCMS3_041214B** SeqNo: **469949**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	22.55	1.0	20.0	0	113%	77	124	22.4	0.506%	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

NORTH COAST
LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

LABORATORY NUMBER: 0412367

ention: Erik Nielsen
ults & Invoice to: SHN
dress: 812 West Wabash Avenue
Eureka, CA 95501
one: 441-8855
pies of Report to:

mpler (Sign & Print): Erik Nielsen / Erik Nielsen

PROJECT INFORMATION

ject Number: 098076
ject Name: Fruitbridge Mkt.
chase Order Number:

TAT: ☑ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☐ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By:__/__/__
Final Report: FAX ☐ Verbal ☐ By:__/__/__

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

ID	SAMPLE ID	DATE	TIME	MATRIX*	PRESERVATIVE	CONTAINER	ANALYSIS
	FM-SS-01	12/1/04	1135	S		14	X
	FM-SS-02	"	1120	"			X
	FM-SS-03	"	1130	"			X
	FM-SS-04	"	1140	"			X

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

03 may be warm

Evidence of cooling - Sample temp 4°C

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Erik Nielsen	12/1/04 1330	[illegible]	12/1/04
		Steven Reed	12/1/04 14:34

SAMPLE DISPOSAL
☑ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

ATRIX: DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

NORTH COAS
LABORATORIES LTI

December 16, 2004

SHN Consulting Engineers and Geologists
812 West Wabash Avenue
Eureka, CA 95501

Attn: Erik Nielsen

RE: 098076 Fernbridge Mkt.

Order No.: 0412414
Invoice No.: 46812
PO No.:
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	FM-SS-05
02A	FM-SS-06
03A	FM-SS-07
04A	FM-SS-08

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Laboratory Supervisor(s)

QA Unit

Jesse G. Chaney, Jr.
Laboratory Director

North Coast Laboratories, Ltd. **Date:** *16-Dec-04*

CLIENT: SHN Consulting Engineers and Geologists
Project: 098076 Fernbridge Mkt.
Lab Order: 0412414

CASE NARRATIVE

Gasoline Components/Additives:
The gasoline values for samples FM-SS-06 and FM-SS-08 include the reported gasoline components in addition to other peaks in the gasoline range.

Date: 16-Dec-04
WorkOrder: 0412414

ANALYTICAL REPORT

Client Sample ID: FM-SS-05 **Received:** 12/15/04 **Collected:** 12/14/04 14:00
Lab ID: 0412414-01A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/15/04	12/15/04
Benzene	0.14	0.0050	µg/g	1.0	12/15/04	12/15/04
Toluene	ND	0.0050	µg/g	1.0	12/15/04	12/15/04
Ethylbenzene	ND	0.0050	µg/g	1.0	12/15/04	12/15/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/15/04	12/15/04
o-Xylene	ND	0.0050	µg/g	1.0	12/15/04	12/15/04
Surrogate: 1,4-Dichlorobenzene-d4	95.2	80-120	% Rec	1.0	12/15/04	12/15/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/15/04	12/15/04

Client Sample ID: FM-SS-06 **Received:** 12/15/04 **Collected:** 12/15/04 8:50
Lab ID: 0412414-02A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/15/04	12/16/04
Benzene	0.24	0.0050	µg/g	1.0	12/15/04	12/16/04
Toluene	0.60	0.0050	µg/g	1.0	12/15/04	12/16/04
Ethylbenzene	0.54	0.0050	µg/g	1.0	12/15/04	12/16/04
m,p-Xylene	1.1	0.010	µg/g	1.0	12/15/04	12/16/04
o-Xylene	0.75	0.0050	µg/g	1.0	12/15/04	12/16/04
Surrogate: 1,4-Dichlorobenzene-d4	95.9	80-120	% Rec	1.0	12/15/04	12/16/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	43	1.0	µg/g	1.0	12/15/04	12/16/04

Date: 16-Dec-04
WorkOrder: 0412414

ANALYTICAL REPORT

Client Sample ID: FM-SS-07 **Received:** 12/15/04 **Collected:** 12/15/04 9:00
Lab ID: 0412414-03A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/15/04	12/15/04
Benzene	ND	0.0050	µg/g	1.0	12/15/04	12/15/04
Toluene	ND	0.0050	µg/g	1.0	12/15/04	12/15/04
Ethylbenzene	ND	0.0050	µg/g	1.0	12/15/04	12/15/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/15/04	12/15/04
o-Xylene	ND	0.0050	µg/g	1.0	12/15/04	12/15/04
Surrogate: 1,4-Dichlorobenzene-d4	96.0	80-120	% Rec	1.0	12/15/04	12/15/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/15/04	12/15/04

Client Sample ID: FM-SS-08 **Received:** 12/15/04 **Collected:** 12/15/04 10:30
Lab ID: 0412414-04A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/15/04	12/15/04
Benzene	0.43	0.0050	µg/g	1.0	12/15/04	12/15/04
Toluene	0.016	0.0050	µg/g	1.0	12/15/04	12/15/04
Ethylbenzene	0.047	0.0050	µg/g	1.0	12/15/04	12/15/04
m,p-Xylene	0.041	0.010	µg/g	1.0	12/15/04	12/15/04
o-Xylene	0.011	0.0050	µg/g	1.0	12/15/04	12/15/04
Surrogate: 1,4-Dichlorobenzene-d4	96.4	80-120	% Rec	1.0	12/15/04	12/15/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	2.2	1.0	µg/g	1.0	12/15/04	12/15/04

North Coast Laboratories, Ltd.

Date: 16-Dec-04

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0412414
Project: 098076 Fernbridge Mkt.

QC SUMMARY REPORT

Method Blank

Sample ID **MB-12662** Batch ID: **12662** Test Code: **8260OXYS** Units: **µg/g** Analysis Date **12/15/04 8:01:00 AM** Prep Date **12/15/04**
Client ID: Run ID: **ORGCMS3_041215A** SeqNo: **470218**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.025									
Benzene	ND	0.0050									
Toluene	ND	0.0050									
Ethylbenzene	ND	0.0050									
m,p-Xylene	0.003216	0.010									J
o-Xylene	ND	0.0050									
1,4-Dichlorobenzene-d4	0.950	0.10	1.00	0	95.0%	80	120	0			

Sample ID **MB-12662** Batch ID: **12662** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **12/15/04 8:01:00 AM** Prep Date **12/15/04**
Client ID: Run ID: **ORGCMS3_041215B** SeqNo: **470263**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	0.3866	1.0									J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 16-Dec-04

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0412414
Project: 098076 Fernbridge Mkt.

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-12662** Batch ID: **12662** Test Code: **8260OXYS** Units: **µg/g** Analysis Date **12/15/04 5:28:00 AM** Prep Date **12/15/04**
Client ID: Run ID: **ORGCMS3_041215A** SeqNo: **470216**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3627	0.025	0.400	0	90.7%	86	137	0			
Benzene	0.3745	0.0050	0.400	0	93.6%	74	137	0			
Toluene	0.3496	0.0050	0.400	0	87.4%	69	139	0			
Ethylbenzene	0.3796	0.0050	0.400	0	94.9%	77	139	0			
m,p-Xylene	0.7640	0.010	0.800	0	95.5%	74	147	0			
o-Xylene	0.3700	0.0050	0.400	0	92.5%	62	147	0			
1,4-Dichlorobenzene-d4	0.984	0.10	1.00	0	98.4%	80	120	0			

Sample ID **LCSD-12662** Batch ID: **12662** Test Code: **8260OXYS** Units: **µg/g** Analysis Date **12/15/04 5:54:00 AM** Prep Date **12/15/04**
Client ID: Run ID: **ORGCMS3_041215A** SeqNo: **470217**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3786	0.025	0.400	0	94.7%	86	137	0.363	4.28%	20	
Benzene	0.3925	0.0050	0.400	0	98.1%	74	137	0.374	4.68%	20	
Toluene	0.3716	0.0050	0.400	0	92.9%	69	139	0.350	6.09%	20	
Ethylbenzene	0.3969	0.0050	0.400	0	99.2%	77	139	0.380	4.45%	20	
m,p-Xylene	0.8019	0.010	0.800	0	100%	74	147	0.764	4.84%	20	
o-Xylene	0.3948	0.0050	0.400	0	98.7%	62	147	0.370	6.49%	20	
1,4-Dichlorobenzene-d4	0.985	0.10	1.00	0	98.5%	80	120	0.984	0.153%	15	

Sample ID **LCSG-12662** Batch ID: **12662** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **12/15/04 6:44:00 AM** Prep Date **12/15/04**
Client ID: Run ID: **ORGCMS3_041215B** SeqNo: **470261**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	22.39	1.0	20.0	0	112%	77	124	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0412414
Project: 098076 Fernbridge Mkt.

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSDG-12662** Batch ID: **12662** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **12/15/04 7:10:00 AM** Prep Date **12/15/04**
Client ID: Run ID: **ORGCMS3_041215B** SeqNo: **470262**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	22.32	1.0	20.0	0	112%	77	124	22.4	0.338%	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

NORTH COAST
LABORATORIES LTD.
5680 West End Road · Arcata · CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

LABORATORY NUMBER: 041214

ention: Erik Nielsen
ults & Invoice to: SHN
dress: 812 West Wabash Avenue
Eureka, CA 95501
one: 441-8855
pies of Report to:
mpler (Sign & Print): Erik Nielsen

PROJECT INFORMATION

ject Number: 098076
ject Name: Ferndale MK1
chase Order Number:

TAT: ☑ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☐ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☑ Verbal ☐ By:__/__/__
Final Report: FAX ☐ Verbal ☐ By:__/__/__

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

ID	SAMPLE ID	DATE	TIME	MATRIX*	PRESERVATIVE	CONTAINER	ANALYSIS
	EM-SS-05	12-14-04	1100	S		14	8260 List 4
	EM-SS-06	12-15-04	850				X
	EM-SS-07	"	900				X
	EM-SS-08	"	1030				X

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

Evidence of cooling - Sample Temp = 3.2°

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Erik Nielsen	12-15-04 1205	Amanda Scott	12/15/04 12:10

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

ATRIX: DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

RECD JAN 05 2005

NORTH COAS
LABORATORIES LT

January 03, 2005

SHN Consulting Engineers and Geologists
812 West Wabash Avenue
Eureka, CA 95501

Attn: Erik Nielsen

RE: 098076, Fernbridge Mkt

Order No.: 0412467
Invoice No.: 47204
PO No.:
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	FM-SS-09
02A	FM-SS-10
03A	FM-SS-11
04A	FM-SS-12
05A	FM-SS-13
06A	FM-SS-14
07A	FM-SS-15
08A	FM-SS-16
09A	FM-SS-17

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Laboratory Supervisor(s) | QA Unit | Jesse G. Chaney, Jr.
Laboratory Director

Date: 03-Jan-05
WorkOrder: 0412467

ANALYTICAL REPORT

Client Sample ID: FM-SS-09 **Received:** 12/16/04 **Collected:** 12/15/04 13:10
Lab ID: 0412467-01A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/21/04	12/22/04
Benzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Toluene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Ethylbenzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/21/04	12/22/04
o-Xylene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Surrogate: 1,4-Dichlorobenzene-d4	89.6	80-120	% Rec	1.0	12/21/04	12/22/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/21/04	12/22/04

Client Sample ID: FM-SS-10 **Received:** 12/16/04 **Collected:** 12/15/04 13:20
Lab ID: 0412467-02A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/21/04	12/22/04
Benzene	0.011	0.0050	µg/g	1.0	12/21/04	12/22/04
Toluene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Ethylbenzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/21/04	12/22/04
o-Xylene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Surrogate: 1,4-Dichlorobenzene-d4	90.1	80-120	% Rec	1.0	12/21/04	12/22/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/21/04	12/22/04

Date: 03-Jan-05
WorkOrder: 0412467

ANALYTICAL REPORT

Client Sample ID: FM-SS-11 **Received:** 12/16/04 **Collected:** 12/15/04 13:30
Lab ID: 0412467-03A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/21/04	12/22/04
Benzene	0.0055	0.0050	µg/g	1.0	12/21/04	12/22/04
Toluene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Ethylbenzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/21/04	12/22/04
o-Xylene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Surrogate: 1,4-Dichlorobenzene-d4	90.2	80-120	% Rec	1.0	12/21/04	12/22/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/21/04	12/22/04

Client Sample ID: FM-SS-12 **Received:** 12/16/04 **Collected:** 12/15/04 14:05
Lab ID: 0412467-04A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/21/04	12/22/04
Benzene	0.021	0.0050	µg/g	1.0	12/21/04	12/22/04
Toluene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Ethylbenzene	0.0073	0.0050	µg/g	1.0	12/21/04	12/22/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/21/04	12/22/04
o-Xylene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Surrogate: 1,4-Dichlorobenzene-d4	90.9	80-120	% Rec	1.0	12/21/04	12/22/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/21/04	12/22/04

Date: 03-Jan-05
WorkOrder: 0412467

ANALYTICAL REPORT

Client Sample ID: FM-SS-13 **Received:** 12/16/04 **Collected:** 12/15/04 14:15
Lab ID: 0412467-05A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/21/04	12/22/04
Benzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Toluene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Ethylbenzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/21/04	12/22/04
o-Xylene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Surrogate: 1,4-Dichlorobenzene-d4	90.0	80-120	% Rec	1.0	12/21/04	12/22/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/21/04	12/22/04

Client Sample ID: FM-SS-14 **Received:** 12/16/04 **Collected:** 12/15/04 14:25
Lab ID: 0412467-06A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/21/04	12/22/04
Benzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Toluene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Ethylbenzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/21/04	12/22/04
o-Xylene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Surrogate: 1,4-Dichlorobenzene-d4	91.2	80-120	% Rec	1.0	12/21/04	12/22/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/21/04	12/22/04

Date: 03-Jan-05
WorkOrder: 0412467

ANALYTICAL REPORT

Client Sample ID: FM-SS-15 **Received:** 12/16/04 **Collected:** 12/15/04 15:00
Lab ID: 0412467-07A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/21/04	12/22/04
Benzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Toluene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Ethylbenzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/21/04	12/22/04
o-Xylene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Surrogate: 1,4-Dichlorobenzene-d4	91.8	80-120	% Rec	1.0	12/21/04	12/22/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/21/04	12/22/04

Client Sample ID: FM-SS-16 **Received:** 12/16/04 **Collected:** 12/15/04 15:10
Lab ID: 0412467-08A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/21/04	12/22/04
Benzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Toluene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Ethylbenzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/21/04	12/22/04
o-Xylene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Surrogate: 1,4-Dichlorobenzene-d4	91.2	80-120	% Rec	1.0	12/21/04	12/22/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/21/04	12/22/04

Date: 03-Jan-05
WorkOrder: 0412467

ANALYTICAL REPORT

Client Sample ID: FM-SS-17
Lab ID: 0412467-09A

Received: 12/16/04 **Collected:** 12/16/04 8:15

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	12/21/04	12/22/04
Benzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Toluene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Ethylbenzene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
m,p-Xylene	ND	0.010	µg/g	1.0	12/21/04	12/22/04
o-Xylene	ND	0.0050	µg/g	1.0	12/21/04	12/22/04
Surrogate: 1,4-Dichlorobenzene-d4	92.2	80-120	% Rec	1.0	12/21/04	12/22/04

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	12/21/04	12/22/04

North Coast Laboratories, Ltd.

Date: 03-Jan-05

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0412467
Project: 098076, Fernbridge Mkt

QC SUMMARY REPORT

Method Blank

Sample ID: **MB-12696** Batch ID: **12696** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **12/22/04 9:25:00 AM** Prep Date: **12/21/04**
Client ID: Run ID: **ORGCMS3_041221A** SeqNo: **472152**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.025									
Benzene	ND	0.0050									
Toluene	ND	0.0050									
Ethylbenzene	ND	0.0050									
m,p-Xylene	0.005723	0.010									J
o-Xylene	0.004450	0.0050									J
1,4-Dichlorobenzene-d4	0.911	0.10	1.00	0	91.1%	80	120	0			

Sample ID: **MB-12696** Batch ID: **12696** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **12/22/04 9:25:00 AM** Prep Date: **12/21/04**
Client ID: Run ID: **ORGCMS3_041221B** SeqNo: **472167**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	0.4158	1.0									J

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 03-Jan-05

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0412467
Project: 098076, Fernbridge Mkt

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID: **LCS-12696** Batch ID: **12696** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **12/21/04 3:28:00 AM** Prep Date: **12/21/04**
Client ID: Run ID: **ORGCMS3_041221A** SeqNo: **472149**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3952	0.025	0.400	0	98.8%	86	137	0			
Benzene	0.3771	0.0050	0.400	0	94.3%	74	137	0			
Toluene	0.3611	0.0050	0.400	0	90.3%	69	139	0			
Ethylbenzene	0.4096	0.0050	0.400	0	102%	77	139	0			
m,p-Xylene	0.8116	0.010	0.800	0	101%	74	147	0			
o-Xylene	0.4217	0.0050	0.400	0	105%	62	147	0			
1,4-Dichlorobenzene-d4	0.920	0.10	1.00	0	92.0%	80	120	0			

Sample ID: **LCSD-12696** Batch ID: **12696** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **12/21/04 3:53:00 AM** Prep Date: **12/21/04**
Client ID: Run ID: **ORGCMS3_041221A** SeqNo: **472150**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3913	0.025	0.400	0	97.8%	86	137	0.395	0.980%	20	
Benzene	0.3772	0.0050	0.400	0	94.3%	74	137	0.377	0.0321%	20	
Toluene	0.3627	0.0050	0.400	0	90.7%	69	139	0.361	0.457%	20	
Ethylbenzene	0.4139	0.0050	0.400	0	103%	77	139	0.410	1.04%	20	
m,p-Xylene	0.8175	0.010	0.800	0	102%	74	147	0.812	0.726%	20	
o-Xylene	0.4271	0.0050	0.400	0	107%	62	147	0.422	1.27%	20	
1,4-Dichlorobenzene-d4	0.927	0.10	1.00	0	92.7%	80	120	0.920	0.757%	15	

Sample ID: **LCSG-12696** Batch ID: **12696** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **12/21/04 5:09:00 AM** Prep Date: **12/21/04**
Client ID: Run ID: **ORGCMS3_041221B** SeqNo: **472164**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	23.27	1.0	20.0	0	116%	77	124	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0412467
Project: 098076, Fembridge Mkt

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSDG-12696** Batch ID: **12696** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **12/21/04 5:35:00 AM** Prep Date: **12/21/04**
Client ID: Run ID: **ORGCMS3_041221B** SeqNo: **472165**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	21.18	1.0	20.0	0	106%	77	124	23.3	9.43%	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

LABORATORY NUMBER: 0412467

ention: Erik Nielsen
sults & Invoice to: SHN
dress: 812 West Wabash Avenue
Eureka, CA 95501
one: 441-8855
pies of Report to:
mpler (Sign & Print): Erik Nielsen / Erik Nielsen

PROJECT INFORMATION
oject Number: 098076
oject Name: Fernbridge MKT
rchase Order Number:

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☑ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: / /
Final Report: FAX ☐ Verbal ☐ By: / /

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

ID	SAMPLE ID	DATE	TIME	MATRIX*	PRESERVATIVE	CONTAINER	ANALYSIS
	FM-SS-09	12/15/04	1310	S			
	FM-SS-10		1320				X
	FM-SS-11		1330				X
	FM-SS-12		1405				X
	FM-SS-13		1415				X
	FM-SS-14		1425				X
	FM-SS-15		1500				X
	FM-SS-16		1510				X
	FM-SS-17	12/16/04	0815				X

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

Cooler Temp = 5.5°C

#17 is Hot

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Erik Nielsen / Erik Nielsen	12/16/04 1301		

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

ATRIX: DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.